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AP - JP19790134555 19791017

CPY - MATU

DC - E33 L03

DR - 1785-S

FS - CPI

IC - C09K11/47 ; H01J29/20

MC - L03-C02B

M3 - [01] A331 A657 A758 A940 A980 C116 C540 C730 C801 C802 C803 C804 C805
C806 M710 M720 M781 M903 N515 Q454 Q613 R036 R043

PA - (MATU) MATSUSHITA ELEC IND CO LTD

PN - JP56057877 A 19810520 DW198127 000pp

- JP61036798B B 19860820 DW198637 000pp

PR - JP19790134555 19791017

XIC - C09K-011/47 ; H01J-029/20

AB - J56057877 The fluorescent body consists of lanthanum thiogallate activated with cerium and fluoresces green efficiently. In its prepn., a mixt. of La_2S_3 and Ga_2S_3 in the approx. mol. ratio of 1:1 to which cerium cpd. has been added as activator, is placed in boat-form quartz tray and is burned at 800-950 deg. C in an atmos. of sulphide such as H_2S . Improved luminescence is obtd. when La_2S_3 is used slightly in excess of Ga_2S_3 . Oxides such as La_2O_5 , Ga_2O_5 and CeO_2 may also be used as raw materials.

- Upon excitation with electron beam or ultraviolet ray, the fluorescent body fluoresces green and loses its afterglow in about 20 nanoseconds. It is esp. suitable for a flying spot tube and index tube.

IW - GREEN EMIT FLUORESCENT BODY CONSIST CERIU ACTIVATE LANTHANUM THIO GALLATE

IKW - GREEN EMIT FLUORESCENT BODY CONSIST CERIU ACTIVATE LANTHANUM THIO GALLATE

NC - 001

OPD - 1979-10-17

ORD - 1981-05-20

PAW - (MATU) MATSUSHITA ELEC IND CO LTD

TI - Green emitting fluorescent body - consists of cerium-activated lanthanum thio:gallate